

		<b>INDUCTION MOTOR DATA SHEET</b>			PROJECT No. 2650	
					MODEL No. 24EF-FFEB	
					L-SPEC No. D1ML20603	
SHEET 1 OF 1		CUSTOMER <input type="text"/>				
FOR INFORMATION		JOB NO. <input type="text"/>		ITEM No. <input type="text"/>		
SERVICE <input type="text"/>		SITE <input type="text"/>		QUANTITY <input type="text"/>		
<b>GENERAL DATA</b>			<b>PERFORMANCE DATA</b>			
FRAME No.		250S		OUTPUT 55 kW		
TYPE		EF-F		POLES 6 P		
ENCLOSURE		TE		ROTOR TYPE SQUIRREL CAGE		
COOLING METHOD		FC(IC411)		STARTING METHOD DIRECT ON LINE		
INSULATION CLASS		F CLASS		PHASE 3 PHASE		
TEMP. RISE AT FULL LOAD			FREQUENCY 60 Hz			
RES. METHOD		80 K (at S.F.:1.0)		SPEED (AT FULL LOAD) 1190 r/min		
RATING		S1		PRIMARY		
LOCATION		INDOOR		VOLTAGE 380 V		
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 45.2 A		
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 109.8 A		
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 600 %		
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY		
MOUNTING		V1		AT 1/2 LOAD 91.5 %		
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 93.5 %		
NDE/DE BRG. No.		6313C3 / 6316C3		AT FULL LOAD 94.5 %		
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR		
PROTECTION GRADE		IP55		AT 1/2 LOAD 65.5 %		
SERVICE FACTOR		1.0		AT 3/4 LOAD 75.5 %		
DRIVE		DIRECT COUPLED		AT FULL LOAD 80.5 %		
SHAFT			TORQUE			
EXTENSION		SINGLE		FULL LOAD 45 kg-m		
EXTERNAL THRUST		N/A		441.5 N-m		
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 140 %			
NO-LOAD		N/A		BREAKDOWN 190 %		
VIBRATION		N/A		MOTOR GD <sup>2</sup> 7.383 kg-m <sup>2</sup>		
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD <sup>2</sup> AT MOTOR SHAFT 372.9 kg-m <sup>2</sup>		
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 810 kg		
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)			
TEMPERATURE DETECTOR			<b>SUBMITTAL DRAWINGS</b>			
WINDING		NO		OUTLINE DIMENSION ES1AS16718		
TYPE		-		CONDUIT BOX & COVER ES1B100919		
BEARING		NO		SPEED-TORQUE & CURRENT CURVE D1ML20603		
TYPE		-		THERMAL LIMIT & TIME-CURRENT CURVE D1ML20603		
SPACE HEATER		NO		LOAD vs POWER FACTOR & EFFICIENCY D1ML20603		
RATING		-		<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR		
APPLICATION STANDARDS		IEC60034-1, ISO 3746				
<NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.						
REV. NO		DATE		PREPARED		
1		2025-09-23		S.U.LEE		
CHECKED		APPROVED				
J.H.CHA		Y.J.PARK				

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

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